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NOTICE OF ALLOWANCE AND FEE(S) DUE

22434

7590

01/27/2010

Weaver Austin Villeneuve & Sampson LLP P.O. BOX 70250 OAKLAND, CA 94612-0250 EXAMINER

NGUYEN, THUONG

ART UNIT PAPER NUMBER

2455 DATE MAILED: 01/27/2010

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/058,722	01/28/2002	Yong Lu	CISCP251/4378	7898	

TITLE OF INVENTION: APPARATUS AND METHODS FOR RESTORING TRAFFIC DURING FAILOVER IN A CABLE HEAD END

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/27/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new c	of n	naintenance fees w pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	corre	espondence address as "FEE ADDRESS" for
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Weaver Austin P.O. BOX 70250 OAKLAND, CA	mpson LLP	I hereby certify the States Postal Servi addressed to the I			Certificate of Mailing or Transmission nat this Fee(s) Transmittal is being deposited with the United vice with sufficient postage for first class mail in an envelope Mail Stop ISSUE FEE address above, or being facsimile USPTO (571) 273-2885, on the date indicated below.				
									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CC	ONFIRMATION NO.
10/058,722 TITLE OF INVENTION	01/28/2002 I: APPARATUS AND M	ETHODS FOR RESTOR	Yong Lu RING TRAFFIC DUR	ING	FAILOVER IN A		EISCP251/4378 E HEAD END		7898
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSUI	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		04/27/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS		\neg				
NGUYEN,	THUONG	2455	709-230000						
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Uni	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	" Indication form	or agents OR, alter (2) the name of a registered attorney 2 registered patent listed, no name wi THE PATENT (print of data will appear on the second control of the second contr	rnatives single of a tattor ll be or type he page an a	e firm (having as a gent) and the namely or agents. If printed. e) tent. If an assignassignment.	memb es of up no nam	er a 2	ocum	ent has been filed for
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🗖 Co	orporati	on or other private gro	oup ei	ntity Government
4a. The following fee(s) Issue Fee Publication Fee (N Advance Order -	permitted)	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).							
5. Change in Entity Sta	tus (from status indicated is SMALL ENTITY state		☐ b. Applicant is no	a lone	ver claiming SMAI	L.EN	ΓΙΤΥ status. See 37 CI	FR 1	27(g)(2)
NOTE: The Issue Fee an	d Publication Fee (if requ	uired) will not be accepte	d from anyone other th						
interest as snown by the	records of the United Sta	tes Patent and Trademark	Omce.						
Authorized Signature					Date				
Typed or printed name			Registration No						
an application. Confiden	tiality is governed by 35 d application form to the ions for reducing this but riginia 22313-1450. DO	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	1.14. This collection is depending upon the	is est: indiv	imated to take 12 r idual case. Anv co	ninutes mment	to complete, including on the amount of time	ig gat me vo	hering, preparing, and ou require to complete

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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22434 75	590 01/27/2010	EXAMINER			
Weaver Austin V	illeneuve & Sampso	NGUYEN, THUONG			
P.O. BOX 70250			ART UNIT	PAPER NUMBER	
OAKLAND, CA 9	94612-0250	2455			
		DATE MAILED: 01/27/2010			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1134 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1134 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/050 700		
Notice of Allowability	10/058,722 Examiner	LU ET AL. Art Unit	
·			
	Thuong T. Nguyen	2455	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i or other appropriate comm GHTS. This application is	n this application. If not included unication will be mailed in due cour	se. THIS
1. \boxtimes This communication is responsive to <u>9/14/09</u> .			
2. X The allowed claim(s) is/are <u>1-41</u> .			
 3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 	been received.		
2. Certified copies of the priority documents have	• •		
Copies of the certified copies of the priority do	cuments have been receive	d in this national stage application t	rom the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.		
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			JE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	et be submitted.		
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Revie	w (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			k) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of Ir	nformal Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),	
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No.	/Mail Date ´ Amendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's	Statement of Reasons for Allowan	ce
- Distriction	9. 🔲 Other	<u>-· </u>	

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REASONS FOR ALLOWANCE

1. Claims 1-41 are allowed.

2. The following is an examiner's statement of reasons for allowance:

In interpreting the claims, in light of the specification and the applicant's arguments filed on 9/14/09, the Examiner finds the claimed invention to be patentably distinct form the prior art of record.

- 3. The following is an examiner's statement of reasons for allowance.
- 4. The examiner has found that the prior art of record does not appear to teach or suggest or render obvious the claimed limitations in combination with the specific added limitations as recited in independent claims 1, 32, 33 & 34. The prior art of record fails to teach or suggest individually or in combination that receiving by the backup cable modem termination system subscriber information associated with the one or more cable modems from the active cable modem termination system, the subscriber information including one or more subscriber identifiers; prioritizing the one or more cable modems by the backup cable modem termination system using a time of receipt of the subscriber information, the prioritized cable modems indicating an order in which the transmission of messages between the one or more cable modems and the backup cable modem termination system is to be restored; and polling the one or more cable modems by the backup cable modem termination system in the order indicated by the prioritized cable modems such that communication between the one or more cable modems and the backup cable modem termination system is established in the order indicated by the prioritized cable modems, thereby enabling the transmission of

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messages between the one or more cable modems and the backup cable modem termination system to be restored as set forth in independent claims 1, 32, 33 & 34 and in light of applicant's arguments filed 9/14/09.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tina Nguyen whose telephone number is 571-272-3864, and the fax number is 571-273-3864. The examiner can normally be reached on 9:00 AM-6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Thuong (Tina) T Nguyen/ Examiner, Art Unit 2455 Application/Control Number: 10/058,722 Page 4

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/saleh najjar/ Supervisory Patent Examiner, Art Unit 2455